

IAP15 Rec'd PCT/PTO 21 APR 2006

Docket No.: 12810-00241-US1  
(PATENT)**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Gerd Haderlein et al.

Application No.: TBA  
(Based on PCT/EP2004/012180)

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: METHOD FOR THE PRODUCTION OF  
NICKEL(0)-PHOSPHOROUS LIGAND  
COMPLEXES

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Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

A copy of only those references listed below is attached:

For. Doc No.	Ctry	Patentee/Applicant	Publication Date
100,38,037	DE	BASF AG	April 18, 2002
99/64155	WO	BASF Aktiengesellschaft	December 16, 1999
99/13983	WO	BASF Aktiengesellschaft	March 25, 1999

98/27054	WO	BASF Aktiengesellschaft	June 25, 1998
01/14392	WO	E.I. Du Pont De Nemours	March 1, 2001
03/045555	WO	E.I. Du Pont De Nemours	June 5, 2003
2052412	DE		April 29, 1971
1,000,477	DE	Cities Service Research and	August 4, 1965
10350999	DE	BASF AG	June 2, 2005
10207165	DE	BASF AG	August 21, 2003
621207	DE	Cities Service Research and	September 10, 1962
<b>Other Documents</b>			
N. Ray Chaudhuri et al., "Non-isothermal Studies of Adduct Molecules of Metallic Halides with Oxo-Compounds in Solid State.I.", Bulletin of the Chem. Soc. of Japan, Vol. 48, No. 8, 1975, pages 2375-2380.			
R.J. Kern, "Tetrahydrofuran Complexes of Transition Metal Chlorides", J. Inorg. Nucl. Chem., Vol. 24, 1962, pages 1105-1109.			
Albert L. Casalnuovo et al., "Ligand Electronic Effects in Asymmetric Catalysis: Enhanced Enantioselectivity in the Asymmetric Hydrocyanation of Vinylarenes", J. Am. Chem. Soc., 1994, Vol. 116, pages 9869-9882.			
Pascal Le Floch et al., "Use of 2,2'-Biphospinines for the Stabilization of Reduced Transition Metal Species: Electrochemical Reduction of Bis(2,2--biphosphinie)nickel(0)", Inorg. Chem., 1995, No. 34, pages 11-12.			
Nicolas Mezailles et al., "Synthesis and X-ray crystal structures of dimeric nickel(0) and tetrameric copper(I) iodide complexes of 2-diphenylphosphino-3-methylphosphinie", J. of Organometallic Chem., No. 541, 1997, pages 277-283.			
International Search Report No. PCT/EP2004/012180, dated April 25, 2005, 3 pages.			

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

10/576679

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The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 12810-00241-US1. A duplicate copy of this paper is enclosed.

Dated: 4-21-06

Respectfully submitted,

By 

Joseph Barteira

Registration No.: 44,522

CONNOLLY BOVE LODGE & HUTZ LLP

1990 M Street, N.W.

Suite 800

Washington, D.C. 20036

(202) 331-7111

(202) 296-6229

Attorney for Applicant

Substitute for form 1449A/B/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			Application Number	TBA (Based on PCT/EP2004/012180)	
			Filing Date	Concurrently Herewith	
			First Named Inventor	Gerd Haderlein et al.	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	12810-00241-US1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	AA*	US-3,624,116	11/1971	Ward		
	AB*	US-3,903,120	09/1975	Shook, Jr. et al.		
	AC*	US-3,846,461	11/1974	Shook, Jr.		
	AD*	US-5,523,453	06/1996	Breikss		
	AE*	US-2003/0010042	01/2003	Weng et al.		
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	BA	DE-100,38,037	04-18-2002	BASF AG		
	BB	WO-99/64155	12-16-1999	BASF Aktiengesellschaft		
	BC	WO-99/13983	03-25-1999	BASF Aktiengesellschaft		
	BD	WO-98/27054	06-25-1998	BASF Aktiengesellschaft		
	BE	WO-01/14392	03-01-2001	E.I. Du Pont De Nemours and Co.		
	BF	WO-03/045555	06-05-2003	E.I. Du Pont De Nemours and Co.		
	BG	DE-2052412	04-29-1971			
	BH	DE-1,000,477	08-04-1965	Cities Service Research and Development Co.		
	BI	DE-621207	09-10-1962	Cities Service Research and Development		
	BJ	DE-10350999	06-02-2005	BASF AG		
	BK	DE-10207165	08-21-2003	BASF AG		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author ( in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	N. Ray Chaudhuri et al., "Non-isothermal Studies of Adduct Molecules of Metallic Halides with Oxo-Compounds in Solid State.I.", Bulletin of the Chem. Soc. of Japan, Vol. 48, No. 8, 1975, pages 2375-2380.	
	CB	R.J. Kern, "Tetrahydrofuran Complexes of Transition Metal Chlorides", J. Inorg. Nucl. Chem., Vol. 24, 1962, pages 1105-1109.	
	CC	Albert L. Casalnuovo et al., "Ligand Electronic Effects in Asymmetric Catalysis: Enhanced Enantioselectivity in the Asymmetric Hydrocyanation of Vinylarenes", J. Am. Chem. Soc., 1994, Vol. 116, pages 9869-9882.	
	CD	Pascal Le Floch et al., "Use of 2,2'-Bisphosphines for the Stabilization of Reduced Transition Metal Species: Electrochemical Reduction of Bis(2,2-bisphosphine)nickel(0)", Inorg. Chem., 1995, No. 34, pages 11-12.	
	CE	Nicolas Mezailles et al., "Synthesis and X-ray crystal structures of dimeric nickel(0) and tetrameric copper(I) iodide complexes of 2-diphenylphosphino-3-methylphosphine", J. of Organometallic Chem., No. 541, 1997, pages 277-283.	
	CF	International Search Report No. PCT/EP2004/012180, dated April 25, 2005, 3 pages.	

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Date Considered
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